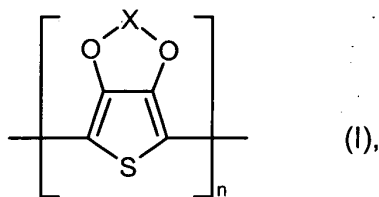


ELECTROLUMINESCENT ARRANGEMENTS

ABSTRACT OF THE DISCLOSURE

3,4-Polyalkylenedioxythiophene dispersions comprising polyanions and cationic 3,4-polyalkylenedioxythiophenes, in particular those of the formula (I)



in which

5 n is an integer from 3 to 100, preferably from 4 to 15, and

X is $-(CH_2)_x-CR^1R^2-(CH_2)_y-$, where

10 R¹ and R², independently of one another, are H, an optionally substituted alkyl radical having from 1 to 20 carbon atoms, an aryl radical having from 6 to 14 carbon atoms or $-CH_2-OR^3$, where R³ = H, alkyl or $-CH_2-CH_2-CH_2-SO_3H$, and

15 x and y are each, independently of one another, an integer from 0 to 9,
in which at least 90% of the particles are < 50 nm, can be employed in electroluminescent arrangements having a long service life and high luminosity.